



NAVY'S IMPLEMENTATION OF ENVIRONMENT IN ACQUISITION

Environment, Energy Security and Sustainability Conference

21-24 May

Abstract ID #14463



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Report Documentation Page				Form Approved OMB No. 0704-0188	
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1. REPORT DATE MAY 2012		2. REPORT TYPE		3. DATES COVERED 00-00-2012 to 00-00-2012	
4. TITLE AND SUBTITLE Navy's Implementation of Environment in Acquisition				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) OPNAV N45,Energy and Environmental Readiness Division,Washington,DC,20350				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES Presented at the NDIA Environment, Energy Security & Sustainability (E2S2) Symposium & Exhibition held 21-24 May 2012 in New Orleans, LA.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 23	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			



NAVY'S IMPLEMENTATION OF ENVIRONMENT IN ACQUISITION

Agenda

- 1 Introduction: Goals, Strategy & Outcomes
- 2 Foundation: Policy & Overview
- 3 Navy Initiatives: Current Focus
- 4 Tools: Navy Environmental Readiness in Acquisition IPT
- 5 Recent Activity & Successes



INTRODUCTION: GOALS, STRATEGY & OUTCOMES

OPNAV N4 Goal

- 1 Ensure warfighter's ability to train and operate, in full compliance with environmental requirements, at the time of system delivery.
- 2 Integrate environmental considerations (design, materials and practices) throughout the lifecycle of the system, including management of environmental risk through the systems engineering process

Strategy

Shape policy to require:

- ✓ Consideration of environmental requirements early and throughout the acquisition process
- ✓ Oversight assessment

Inform and engage stakeholders with:

- ✓ Environmental Requirements
- ✓ Review of Documents
- ✓ Oversight Reviews

Execute Phase II Environmental Planning-At-Sea:

- ✓ Encompass all RDT&E and training into comprehensive, Navy-wide environmental planning and compliance documents

Outcomes

Avoid cost increases, schedule delays or performance constraints on system testing and operations from environmental requirements

Integration of environmental considerations into system design and process and achieve efficient and effective environmental compliance throughout the lifecycle of the system



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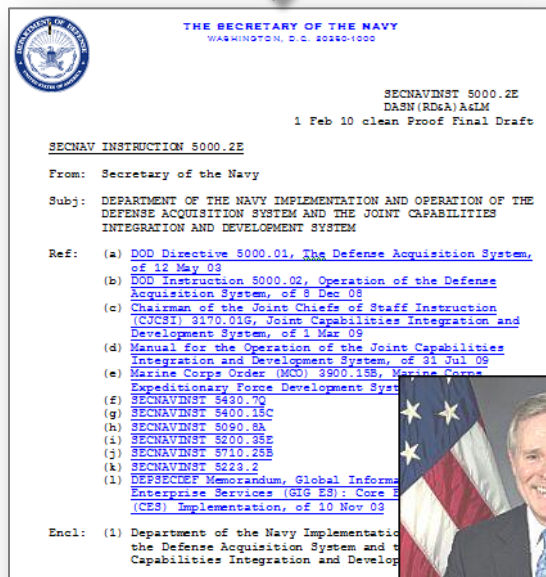
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SECNAVINST 5000.2E & OPNAVINST 5090.1D

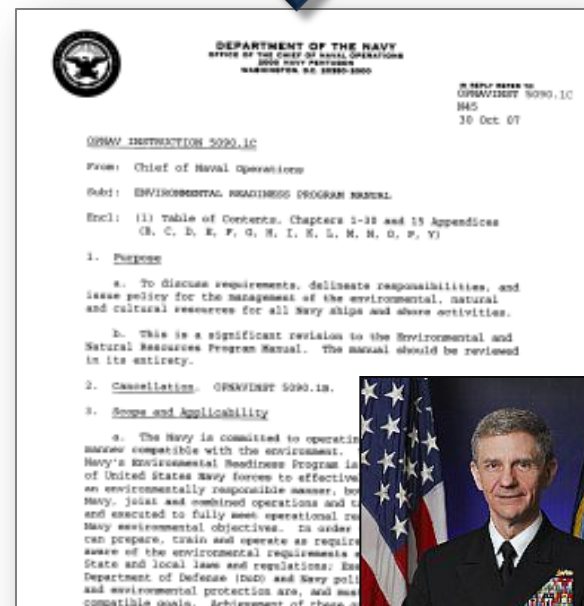
SECNAVINST 5000.2E



DEPARTMENT OF THE NAVY
IMPLEMENTATION AND OPERATION
OF THE DEFENSE ACQUISITION SYSTEM AND
THE JOINT CAPABILITIES INTEGRATION AND
DEVELOPMENT SYSTEM



OPNAVINST 5090.1D



CHIEF OF NAVAL OPERATIONS,
ENVIRONMENTAL READINESS PROGRAM
MANUAL

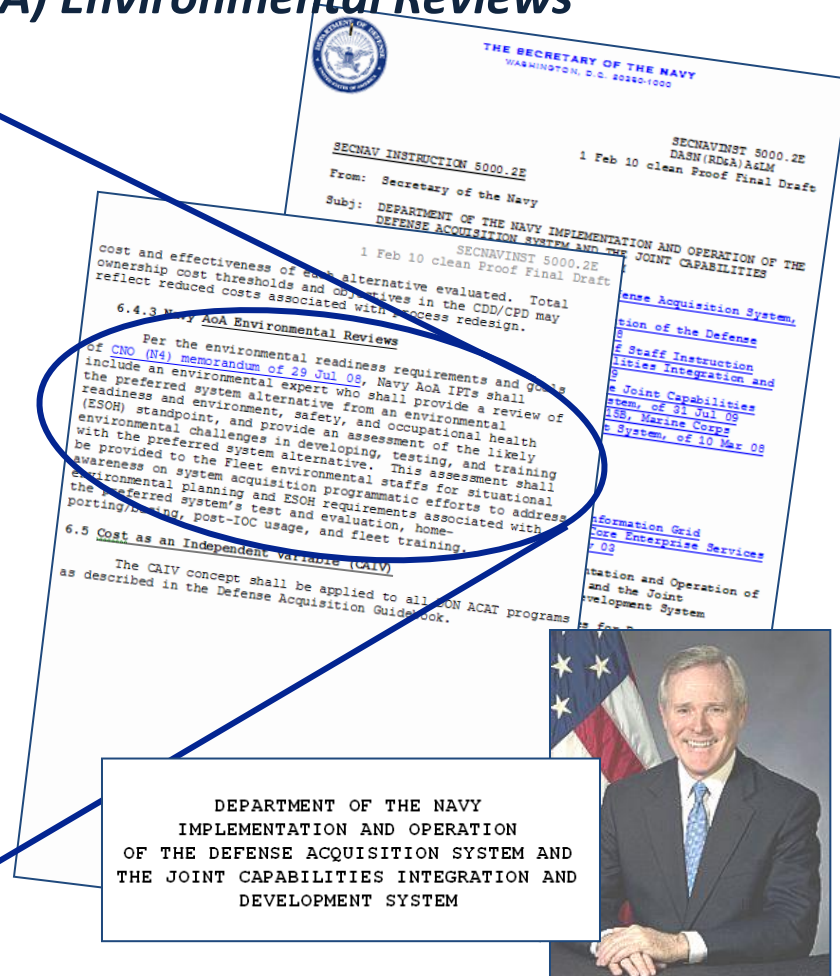




SECNAVINST 5000.2E

Navy Analysis of Alternatives (AoA) Environmental Reviews

Based on the environmental readiness requirements and goals of OPNAV N4 memorandum of 29 Jul 08, Navy AoA IPTs “shall include an environmental expert who shall provide a review of the preferred system alternative from an environmental readiness and environment, safety, and occupational health (ESOH) standpoint, and provide an assessment of the likely environmental challenges in developing, testing, and training with the preferred system alternative. This assessment shall be provided to the Fleet environmental staffs for situational awareness on system acquisition programmatic efforts to address environmental planning and ESOH requirements associated with the preferred system’s test and evaluation, home-porting/basing, post-IOC usage, and fleet training.”



DEPARTMENT OF THE NAVY
IMPLEMENTATION AND OPERATION
OF THE DEFENSE ACQUISITION SYSTEM AND
THE JOINT CAPABILITIES INTEGRATION AND
DEVELOPMENT SYSTEM



Purpose:

- Assist acquisition programs, SYSCOMs, PEOs, and the fleet in their understanding and implementation of environmental requirements
- Provide and implement Navy program policies and procedures

- Requirements & Responsibility by Acquisition Phase
- Requirements in Systems Engineering (SE) documents
- OPNAV N4 Goals & Environmental Compliance Activities
- Environmental Considerations (and purpose) at each Gate Review

Environmental Compliance Area	Examples of Environmental Compliance Activities Include, but are not limited to:
Air pollution	<ul style="list-style-type: none"> • Reviewing maintenance procedures to ensure maintenance actions and solvents, oils, lubricants, and aerosols meet applicable air emission regulatory and standards. • Reviewing engine specification test data, and compliance certificates, and engine certificates demonstrating compliance with applicable engine emission standards. • Reviewing engine maintenance procedures to ensure engine meets applicable air emission requirements.
Noise pollution	<ul style="list-style-type: none"> • Determining and managing a system's noise levels. • Reviewing noise emission requirements. • Identifying noise sources and noise levels. • Assessing possible noise abatement measures for the system.
Water pollution	<ul style="list-style-type: none"> • Reviewing maintenance procedures to ensure collection from the system, storage, and transport of waste. • Reviewing maintenance procedures to ensure the system and its components are designed to ensure solvents, oils, lubricants, and aerosols leakages conform to applicable regulatory requirements.
HAZMAT	<ul style="list-style-type: none"> • Ensuring compliance with HAZMAT requirements for design and production of the system; • Reviewing the HAZMAT waste streams for the system; • Reviewing maintenance procedures to reduce HAZMAT usage; and • Reviewing maintenance procedures to ensure solvent, oil, lubricant, and aerosol tanks meet applicable use and disposal and disposal and disposal requirements.



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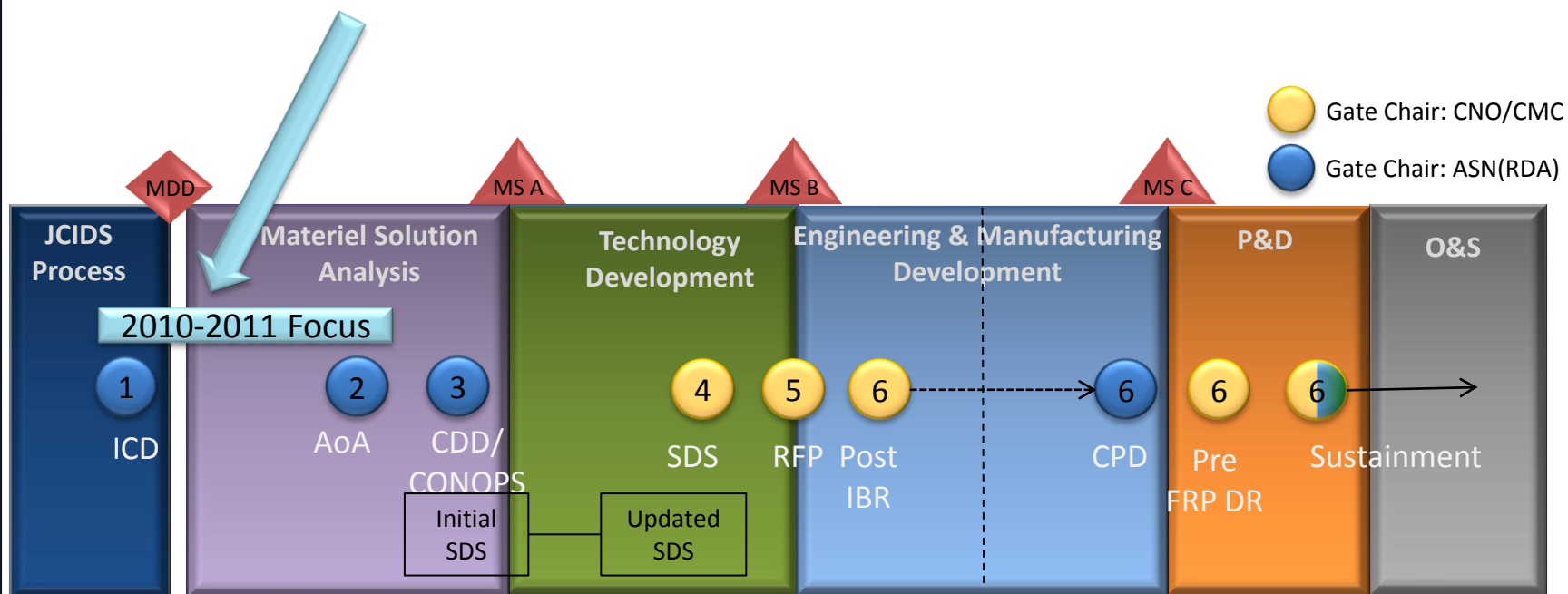
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NAVY INITIATIVES: CURRENT FOCUS

2010-2011 Environment in Acquisition Focus

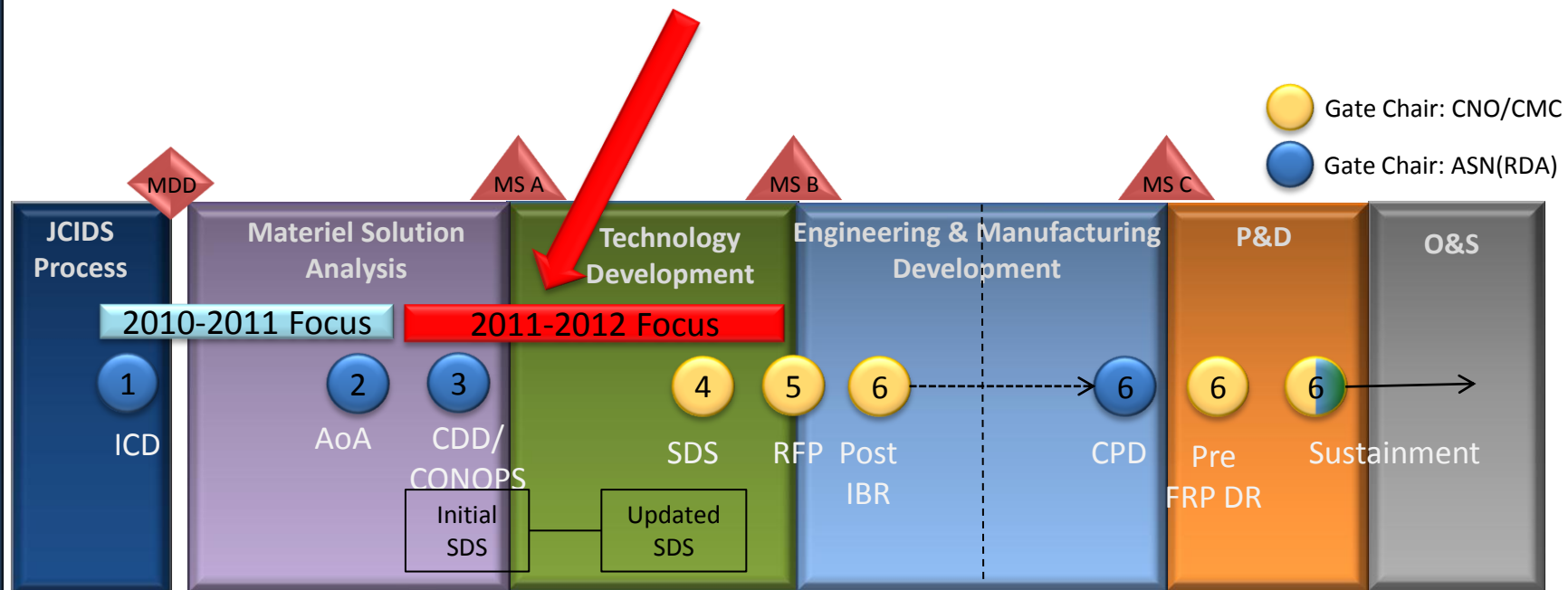


Programs must document their early review of potential environmental compliance requirements into the Initial Capabilities Document (ICD) and AoA Guidance/Study Plan



NAVY INITIATIVES: CURRENT FOCUS

2010-2011 Environment in Acquisition Focus



Programs must continue to document and integrate environmental language in the Capabilities Development Document (CDD) and contract documents



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Overview

PURPOSE

- Ensure environmental-related factors are consistently incorporated into decisions at all phases of system development and acquisition

OBJECTIVE

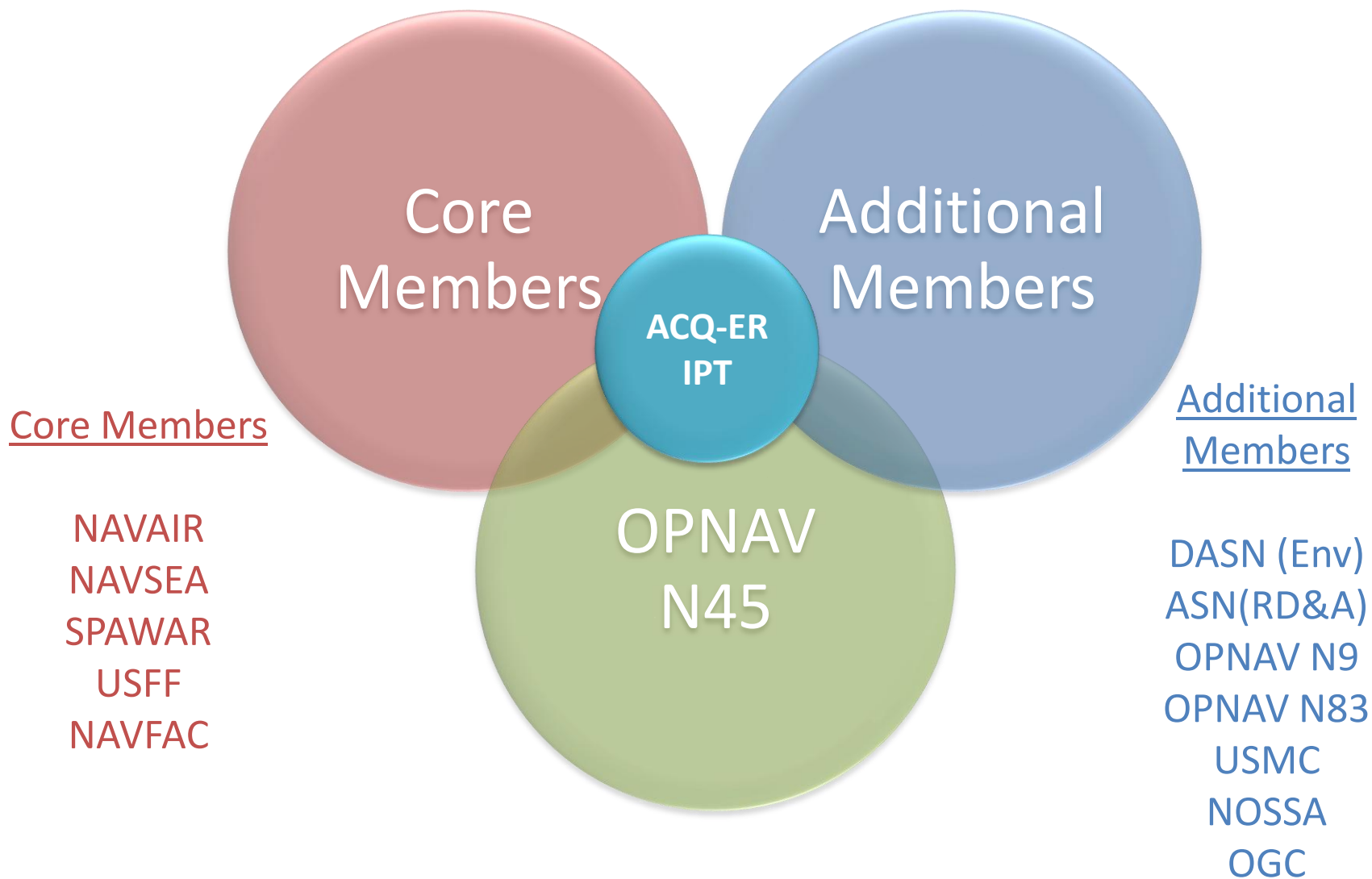
- Identify specific areas in the acquisition process where environmental efforts and innovations should and can be incorporated

STRATEGY

- Use the ACQ-ER IPT SharePoint site for members to review, provide comments and participate in discussions regarding environmental considerations in the acquisition process

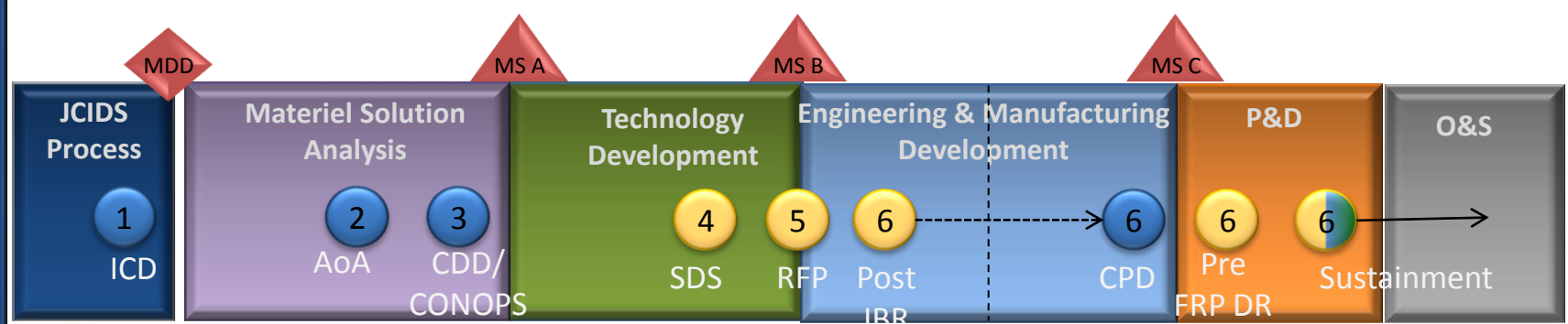
FINAL PRODUCT

- Develop a guidebook and conduct trainings to educate the workforce and requirements officers on environment in acquisition related matters





Format



X X JCIDS Process X

AoA Process

Contracts Documents

Gate Review Process

Current Tasking

Systems Engineering Docs (SEP, TES/TEMP, LCSP, ILS)

Env'tl Considerations n the ILA/PSR Process

Environmental Considerations in the SETR Process

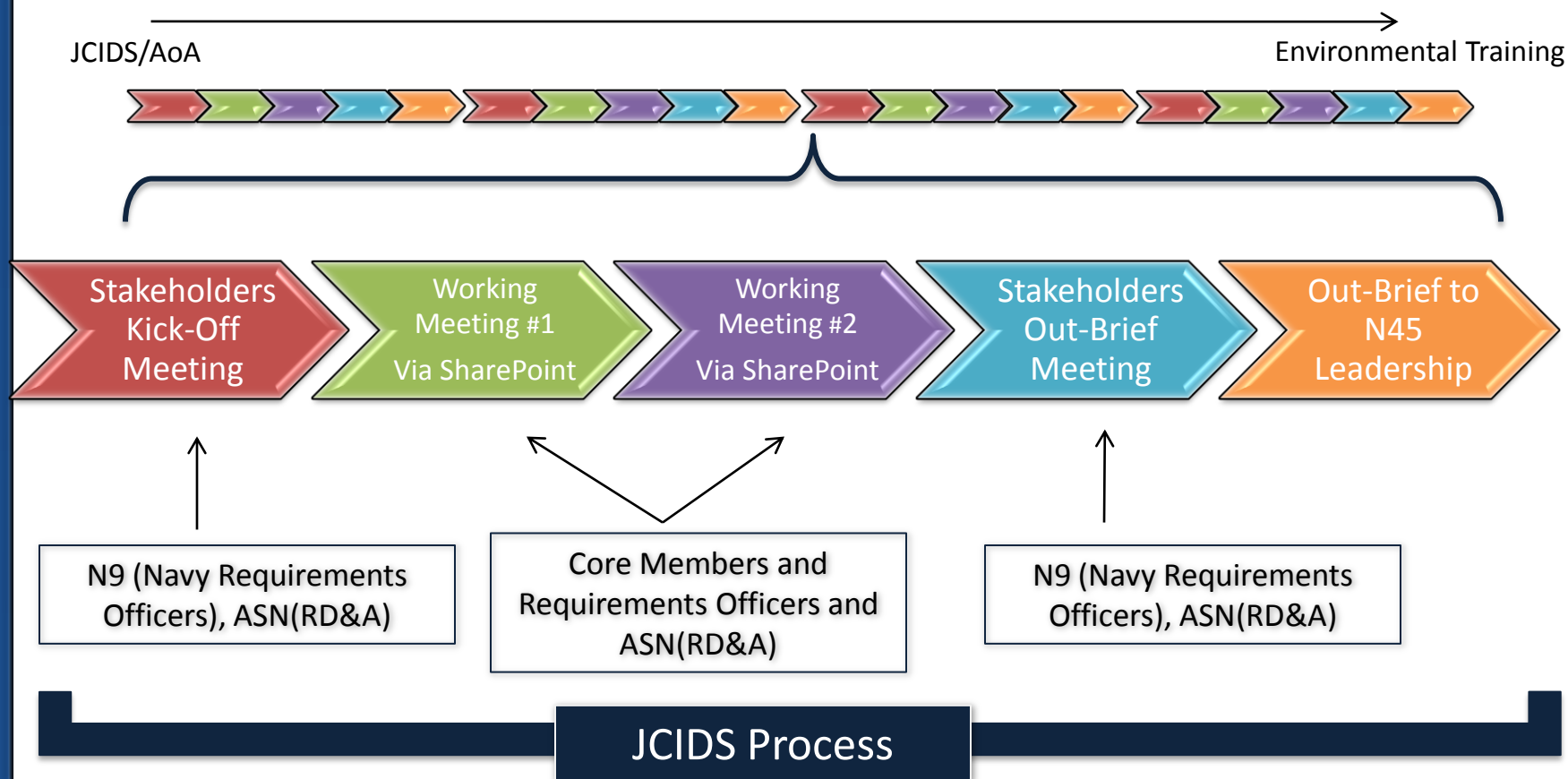
DoD Policy (DoDD 5000.01; DoDI 5000.02; DAG)

Environmental Training

Yellow circle: Gate Chair: CNO/CMC
Blue circle: Gate Chair: ASN(RDA)



Meeting/Review Format





ACQ-ER IPT SharePoint Site – Home Page

The screenshot shows the SharePoint Home Page for the ACQ-ER IPT. The page features a 'Tabbed Toolbar' at the top with links to various sections like 'Environment Home', 'ACQ-ER IPT', 'ACQ-ER', 'ASA', 'SDS/Contracts', 'Systems Engineering', 'DoD Policy', 'PEIRHE', 'Gate Reviews', 'ILAs', 'PSRs', 'SETPs', 'Training', and 'Navy Policy'. A 'Selection Sidebar' on the left contains links to 'View All Site Content', 'Discussions', 'Announcements', 'Policy Documents', 'Newsletter', 'POC List', 'Quick Links', and 'Recycle Bin'. The main content area displays the 'OPNAV N45 ENVIRONMENT' banner, a welcome message, and a diagram titled 'Added Focus for 80% Solution for Integrating Environment in Acquisition: Gate 3-5: CDD, SDS/SPS, RFP'. The diagram shows a process flow from 'Program Initiation at MS B' through 'Pre-Systems Acquisition', 'Systems Acquisition', and 'Sustainment'. A 'Calendar' at the bottom shows the month of October 2011.

Tabbed Toolbar

Selection Sidebar

Calendar

Purpose

- Ease the review process
- Facilitate discussion

Uses

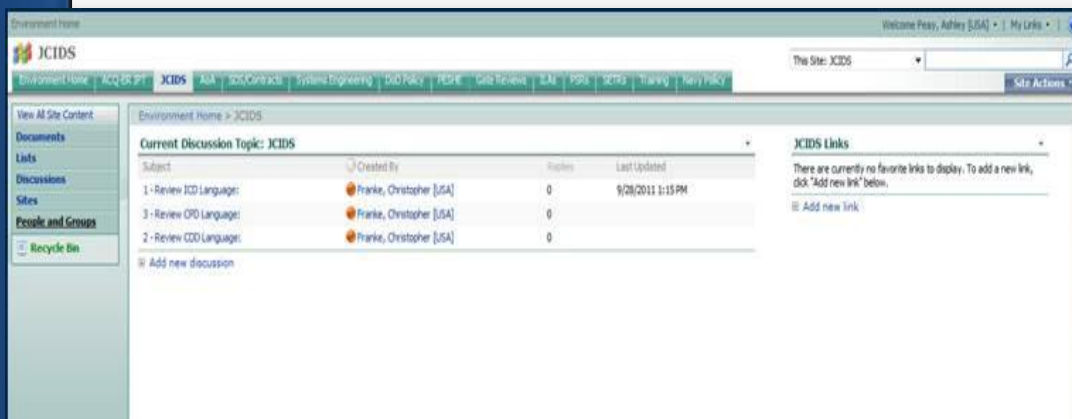
- Document/ language review and discussion boards

Topics:

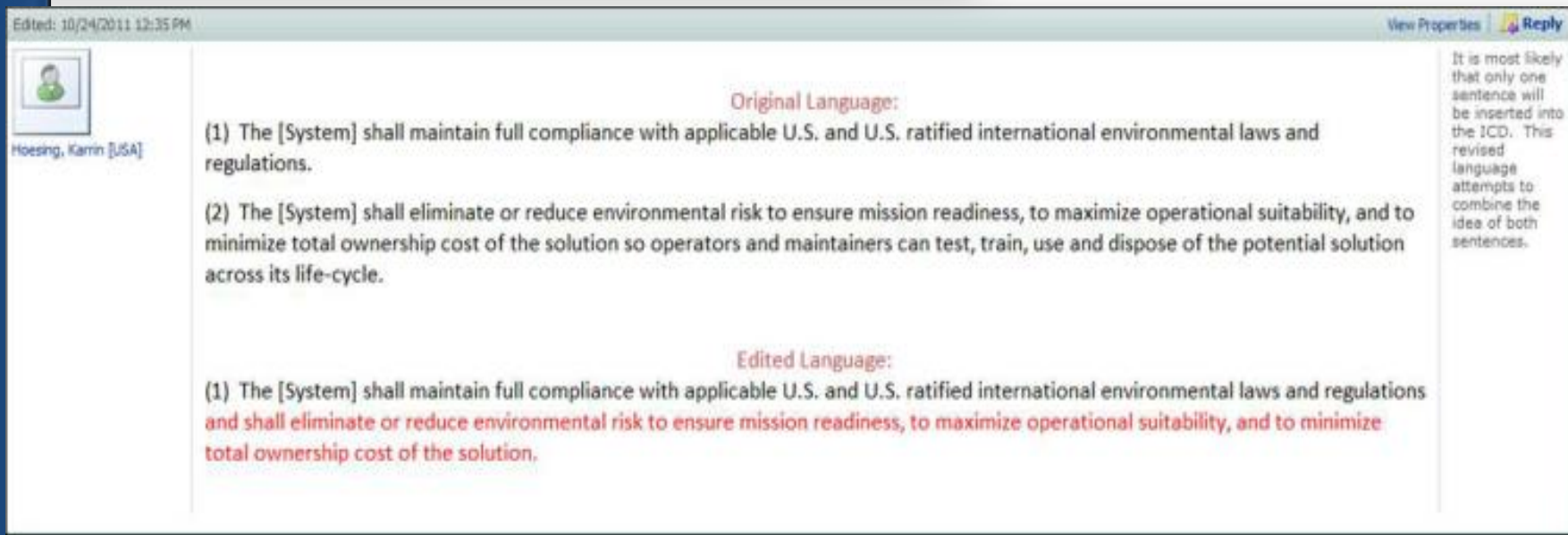
- Activities throughout acquisition process



ACQ-ER IPT SharePoint Site



- Review ICD language
- Review CDD language
- Review CPD language





Navy Acquisition in Environmental Readiness (ACQ-ER) IPT

Tasking Slide
19 March 2012

Current Tasks & Due Dates

Language Development	Language Finalization	Meetings/Events
<ul style="list-style-type: none"> Contracts (SDS/SPS) Language: Due 23 March 2012 (Language Development: SDS/SPS) 	<ul style="list-style-type: none"> Analysis of Alternatives: Due 23 March 2012 (Language Finalization: AoA) 	<p>ACQ-ER IPT Meeting:</p> <ul style="list-style-type: none"> 16 February 2012 ACQ-ER IPT meeting minutes <p>Relevant Events:</p> <ul style="list-style-type: none"> The next DoD ESOH IPT meeting has been scheduled for Tuesday, 10 April 2012, 930 to 1200 at the Booz Allen Hamilton Offices, 1550 Crystal Drive, Suite 1100 <p>Supporting Documents:</p> <ul style="list-style-type: none"> A contracts summary is available on the site's SDS/Contracts page to provide further information on the SDS's background and purpose of language development (Contract Summary).

Future Tasks & Due Dates

Tasks	Date available on the SharePoint Site	Date due from IPT
Contracts (SOW) Language	23 March 2012	30 March 2012
Contracts (RFP) Language	30 March 2012	13 April 2012

Environment SharePoint Site Homepage: <https://pmev2.bah.com/ecs/OPNAVN45Environment/default.aspx>
Environment SharePoint Site E-mail: OPNAVN45ACQ-ER@navy.mil



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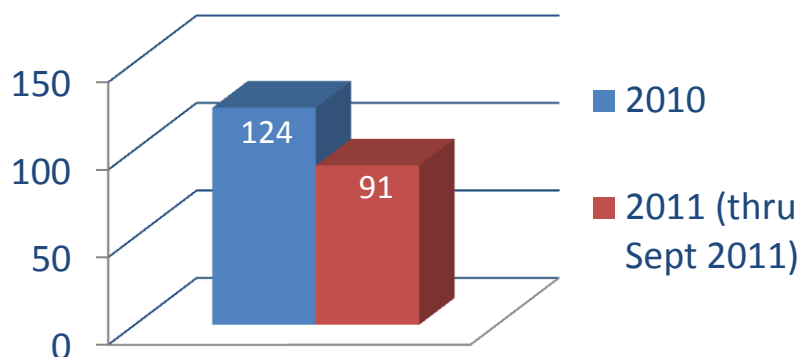
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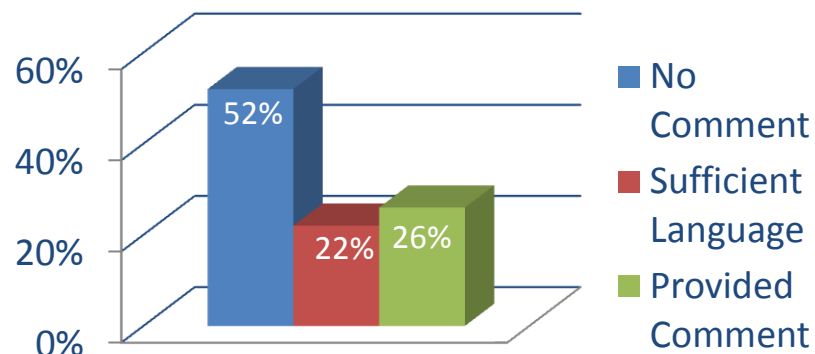
RECENT ACTIVITY: JCIDS PROCESS

Total Documents Reviewed (2010 vs 2011)



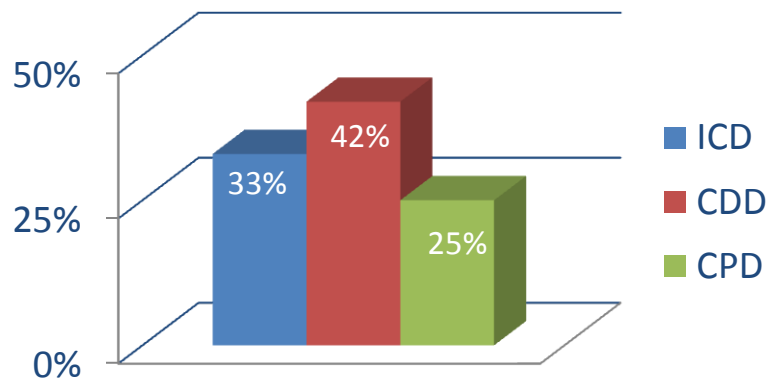
*Based on 2010 and 2011 Documents

JCIDS Documents Reviewed Overview (2011)



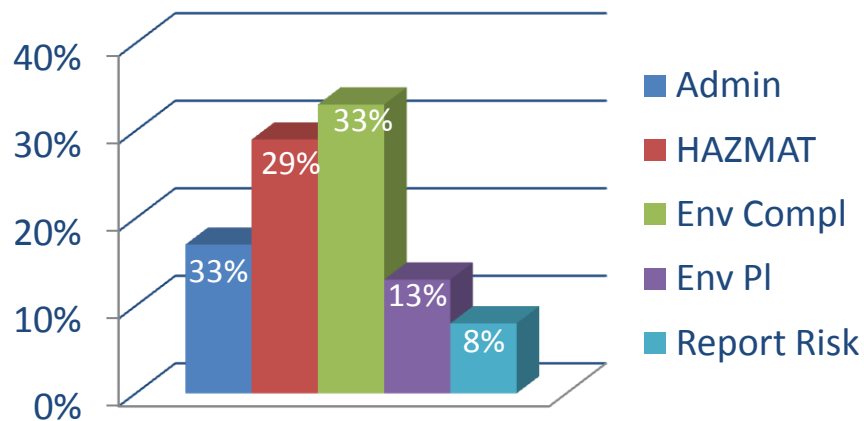
*Based on 91 Documents Reviewed in 2011

Type of Documents Reviewed



*Based on 2011 Submitted Comments

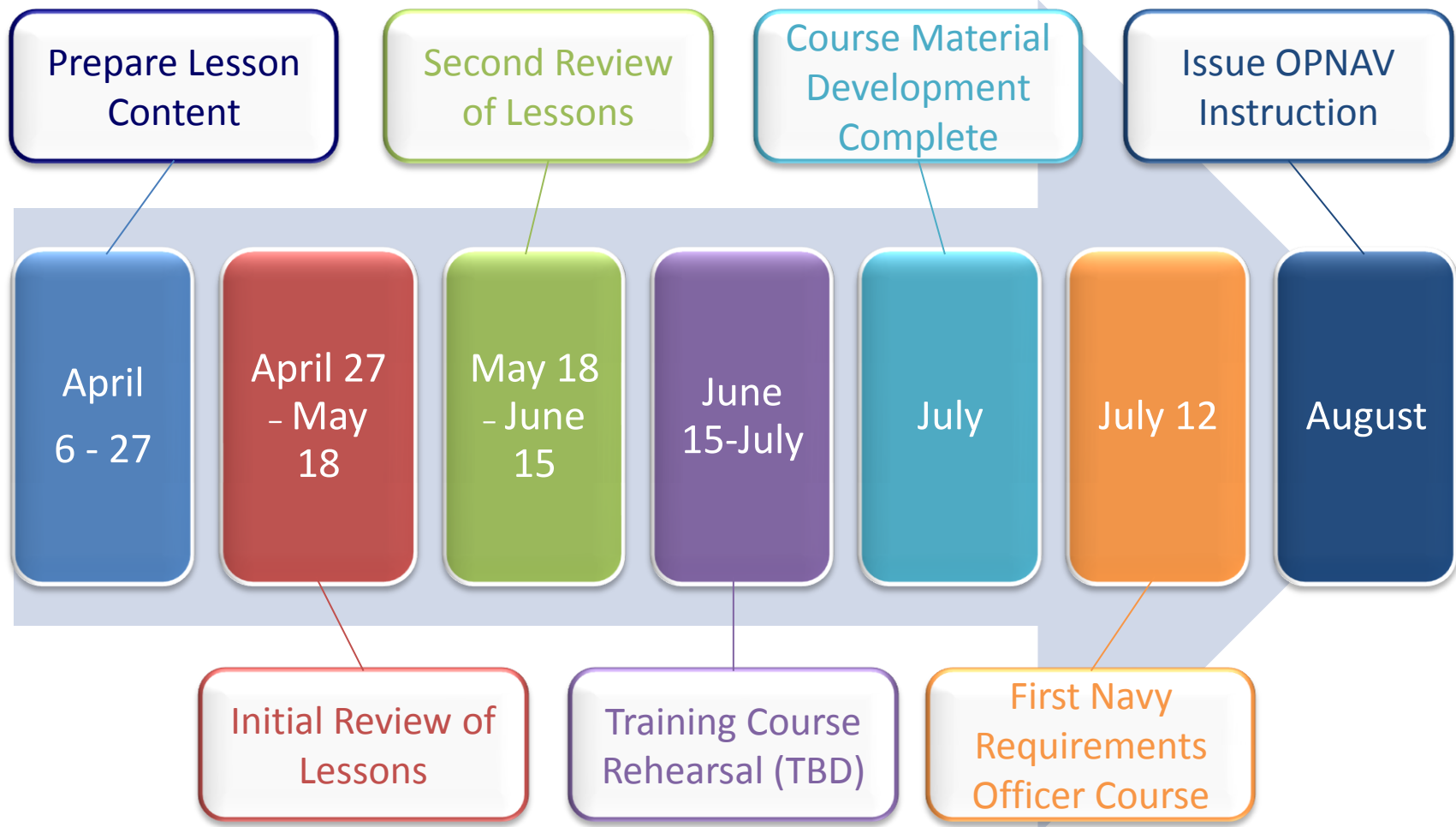
Types of Submitted Comments



*Based on 2011 Submitted Comments



RECENT ACTIVITY: REQUIREMENTS TRAINING COURSE





Environment in Requirements and Acquisition Process

Environmental Language Included in JCIDS (Recent)

- ✓ OHIO-R (CDD)
- ✓ LSD (X) (ICD)
- ✓ T-ATS(X) (ICD)
- ✓ TAO(X) (ICD)
- ✓ LSATR (ICD)



General Environmental Language Included in AoA (Recent)

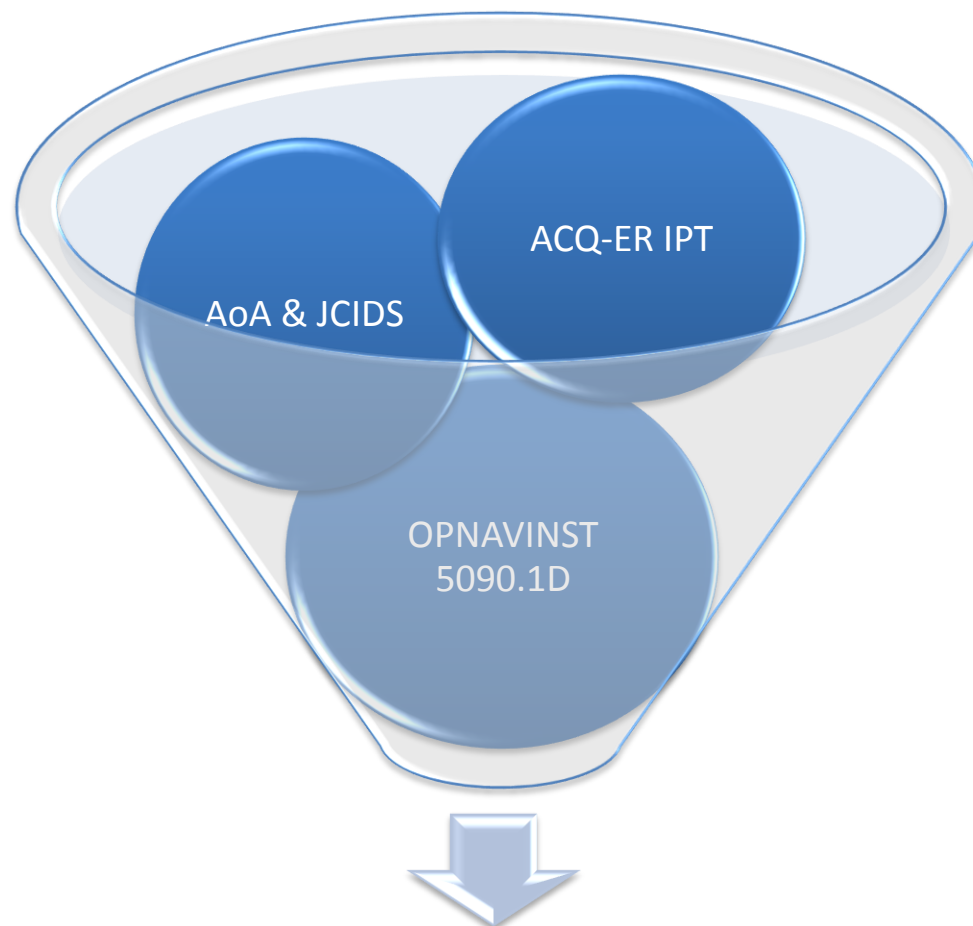
- ✓ LSD (X)
- ✓ T-ATS(X)
- ✓ TAO(X)
- ✓ LSATR (TBD)



Specific Environmental Language Included in AoA & SDS

- ✓ TAO(X) (Ballast Water Exchange System & Commercial Standards)
- ✓ DDG-51 (Use of Ultra High Solids Paint)





Navy Implementation of Environmental Readiness in Acquisition